Annexure-A

The tenderers shall furnish the following details with necessary enclosures along with the Technical Bid.

Sl. No	Particulars	Details to be furnished by the firm
1.	EMD of Rs.6,58,000/- to be paid along with the tender in Karnataka public procurement portal by following modes: 1. Credit card 2. Direct debit of 3. NEFT 4. Over the counter	
2.	The Tenderer should be a Manufacturer /Authorized Dealer of Jetting cum suction machinesmounted on a chassis within case of a Dealer the firm should furnish the authorization letter obtained from their manufacturer in the format appended vide Annexure-"C". In case of Micro & Small Enterprises tenderer should enclose relevant Certificate issued by competent authority in the absence of which the tenders will not be considered for further evaluation.	Relevant Documents should be submitted.
3.	The Tenderer should possess valid Certification for manufacturing of Jetting cum suction machines mounted on BS VI Chassis. In case of Dealer, shall furnish valid IS certification from their Manufacturer.	(1) Certificate No---------- (2) Validity---------- Copies of the certificates are to be enclosed.
4.	a) The tenderer should be a Manufacturerwho must have manufactured, tested and supplied Jetting cum suction machine assembled on suitable BS VI chassis up to at least **10 Nos** in any one of the three financial years (2020-21 to 2022-23). **OR** b) In the case of MSME Enterprises, the Tenderer should be a Manufacturer who must have manufactured, tested and supplied Jetting cum Suction Machines assembled on suitable BS VI chassis upto at least **5 nos** in any one of the last three financial years (2020-21, 2021-22 & 2022-23). c) The tenders of tenderers quoting as authorized representative/agent of a manufacturer meeting with the above requirements in full will also be considered provided: i) The manufacturer furnishes authorization in the prescribed format assuring full guarantee and warranty obligations as per conditions of contract. ii)The tenderer as authorized representative should have supplied	Particular year during which the stipulated supplies are made with the details are to furnished in Annexure-B. Copies of supply orders and performance certificate issued by the End user are to be enclosed in the absence of which the tenders will not be considered for further evaluation. Joint Venture Tenders are not acceptable

	Jetting cum suction machine assembled on suitable BS VI chassis up to at least **4 Nos** in any one of the three financial years. (2020-21, 2021-22 and 2022-23). Note: The equipment's offered for supply must be of the most recent series models incorporating the latest improvements in design. The Models should have been released on or after year 2023.	
5.	a) The Tenderer shall possess a minimum financial turn-over (Income) of **Rs.4.38 Crore** during the last three preceding financial years (i.e., from 2020-21 to 2022-23). b)In the case of MSME Enterprises a minimum financial turn-over shall be **Rs.2.19 Crore** in during the last two preceding financial years (i.e., from 2021-22 to 2022-23).	Respective Balance sheets of only those financial years during which the turnover is more than **Rs.4.38Crores** are to be enclosed along with a certificate issued by a Chartered Accountant.
6.	The Tenderer should demonstrate the availability of Liquid Assets and/or availability of Credit Facility of not less than **Rs.1.32 Crore** (Credit Line/Letter of Credit/Certificates from Nationalised /Scheduled Bank)	The Tenderer should submit the Banker's Certificate invariably indicating tender number and the prescribed amount
7.	Tenderer shall possess an Assessed Available Tender Capacity (AxN-B) not less than Rs.438.55 Lakhs Where, A=Maximum value of supply in any one year during the last five years taking into account the completed as well as works in progress N-Number of years B=No. of existing commitments to be supplied during the next one year	Tenderer should demonstrate with relevant documents
8.	The Manufacturer or Dealer's Manufacturer should have their own Manufacturing unit.	Relevant Documents to be submitted.
9.	The Tenderer should submit the technical specification and drawings of the equipments offered.	Agreed/Disagreed (If disagreed, the offer of the tenderer will not be considered for evaluation)
10.	The Tenderer should agree to supply Sewer Cleaning Equipmentsas per tender conditions and deliver the same.	Agreed/Disagreed (If disagreed, the offer of the tenderer will not be considered for evaluation)
11.	The tenderer should give a guarantee of One year for the Sewer Cleaning Equipments and enclose the Schedule of Guarantee Table 2.3 duly signed.	Agreed/Disagreed (If disagreed, the offer of the tenderer will not be considered for evaluation)
12.	The Tenderer should furnish a self certificate that they were never Black listed in past three years anywhere in India or outside.	Furnished/not furnished
13.	The tenderer should furnish a Calculation Sheet to establish that the HP available	Furnished/not furnished

	with rpm at the output shaft of the P.T.O will suffice the power required when both jetting & suction pumps are in operations.	
14.	The Tenderer should agree to all terms and conditions of the tender.	Agreed/Disagreed (If disagreed, the offer of the Tenderer will not be considered for evaluation)

Sd/-

Signature of Tenderer **Chief Engineer**
(D&QA)

BWSSB

GENERAL TERMS AND CONDITIONS

1.	Tenders through Karnataka public procurementPortal in two cover system one for Technical Bid and the other for Financial Bid are invited for the supply of 13 Nos. of Jetting cum Suctionmachines mounted on suitable BS-VI chassisof 6,000 Litres capacity (to carry 4,000 ltrs., of water and 2,000 ltrs., of sewage) from Manufacturers /authorized representative/agent of a manufacturer with the following eligibility criteria: a) If the Tenderer should be a Manufacturer who must have manufactured, tested and supplied Jetting cum Suction Machines assembled on suitable BS VI chassis upto at least 10 Nos in any one of the last three financial years (2020-21, 2021-22 & 2022-23). b) In the case of MSME Enterprises, the Tenderer should be a Manufacturer who must have manufactured, tested and supplied Jetting cum Suction Machines assembled on suitable BS VI chassis upto at least 5 nos in any one of the last three financial years (2020-21, 2021-22 & 2022-23). **OR** c) If the tenders of tenderers are quoting as authorized representative/ agent of a Manufacturer meeting with the above requirements in full will also be considered provided. i. The manufacturer furnishes authorization in the prescribed format assuring full guarantee and warranty obligations as per the conditions of contract. ii. The tenderer as authorized representative should have supplied satisfactorily at least 4 Nos of Jetting cum Suction Machines assembled on suitable BS VI chassis upto at least 4 nos in any one of the last three financial years (2020-21, 2021-22 & 2022-23). d) Possess a minimum financial turnover of of**Rs.4.38Crores**during the last three preceding financial years (i.e., from 2020-21 to 2022-23). e) In the case of MSME Enterprises a minimum financial turn-over shall be **Rs.2.19 Crore**in during the last two preceding financial years (i.e., from 2021-22 to 2022-23).

	f) The tenderer should demonstrate the availability of liquid assets and availability of credit facility of not less than **Rs.1.32 Crores** (Credit line/letter of credit/certificates from Nationalizes/ scheduled Bank). g) The Tenderer shall possess an Assessed Available Tender Capacity: AxNx1.5- B>**Rs.438.55lakhs.** Where, A- Maximum value of supply in any one year during the last five years taking into account the completed as well as works in progress N-Number of years B=No. of existing commitments to be supplied during the next one year The last date & time for receipt of tenders is on **27.02.2024 @16:00hrs** (Documents shall be downloaded from website from **13.02.2024 to 27.02.2024**.before 4:00P.M. The tendering will be in Electronic Mode submitted through Karnataka public procurementPortal (www.kppp.karnataka.gov.in) as follows: The Technical Bid shall contain the following:- 1)TECHNICAL BID: i) Earnest Money Deposit copy ii) Annexure-A duly filled and signed iii) Details of earlier supplies in format appended vide Annexure–B (Copies of supply order and Performance Certificates from the End User should be enclosed). iv) Turnover Certificate v) Technical Specifications & Drawings of the equipments offered. vi) Schedule of guarantee table 2.3 vii)Certificate stating that the tenderer is not black listed viii)Calculation sheet to establish the HP available at output shaft of the PTO 2)FINANCIAL BID: The Financial Bid consists of Schedule B - in which the rates have to be offered shall be only in Electronic Mode and submitted before due time and date.
2.	Tenders received without E.M.D. will be rejected outright. The E.M.D. amount so deposited by the successful tenderer will be refunded only after submission of performance security in the form of irrevocable Bank Guarantee issued by a Nationalized/ Scheduled Bank/, in a sum equivalent to 5% of the contract value of Combination machines as per Clause-17 of the tender. The E.M.D. of the unsuccessful tenderer will be refunded after the award of the work to the successful tenderer. The E.M.D. so remitted by all the tenderers will not bear any interest.
3.	The Technical Bids will be opened by the Chief Engineer (D&QA) on **28.02.2024** at 16.00Hrs in the presence of the firms' representatives/authorized agents, who may be present at that time. If, for any reason, the tender cannot be opened on the said date and time, the next date and time of opening will be intimated to the representatives present.
4.	The submission of tender by the tenderer implies that he has read the terms and conditions of contract and made himself aware of the scope and specification 6,000 ltrs., capacity Jetting cum suction machine(Combination machines) mounted on suitable BS-VI chassis supplied by Board.
5.	**Validity:** The tenderer should keep his offer valid at least for a period of 90 days from the date of opening and if necessary for a further period as desired by the Chief Engineer (D&QA) BWSSB, 9th floor Cauvery Bhavan, K.G.Road, Bangalore-560009.

6.	**Agreement Clause:** a) The enquiry along with the appended schedules shall form part & parcel of the agreement, which is executed after acceptance of the tender. b) Agreement in the prescribed format shall be executed between successful tenderer and the, Chief Engineer (D&QA) BWSSB, Bangalore-560009 within 21 days from the date of communication of approval of his/their tender, failing which the E.M.D. shall stand forfeited.
7.	**Rates to be offered:** a) The rates should be legibly uploaded in Figures. b) The rate quoted for manufacturing, supply & delivery of 13Nos. of 6,000 Litres capacity Jetting cum suction machine(Combination machines) mounted on suitable BS-VI Chassis should be inclusive of all taxes, duties, license fees, Octroi, Road permit, entry tax, transit insurance, transportation, unloading, III Party Inspection charges, mandatory spares, RTO Permanent Registration including comprehensive (KGID) annual insurance charges etc., F.O.R., Designated officers of BWSSB, Bangalore giving the breakup details. c) In case of any concession, exemption or refund of duty is applicable to the above supplies, which are to be passed on to the purchaser, the supplier shall consider the above in his offer, and specifically mention such benefits in the technical offer. In case of any such levies which are exempted / refundable which are not to be passed on, these details shall be furnished in the technical offer. d) The rates quoted shall remain "Firm" till the supply ordered including additional quantities as specified in the contract. During the contract period the supplier shall not be entitled to any enhancement in the rate on account of rise in the price of any raw materials, electricity tariff, diesel, oil, statutory levies etc., or for any other reason whatsoever. e) In case, additional quantities of 6,000 ltrs., capacity Jetting cum suction machine(Combination machines)mounted on suitable BS-VI chassis over and above the quantities noted in the Schedule-B are required during the period of contract, the Supplier shall be bound to supply the said quantities at the accepted rates. Likewise, the tendered quantity can be curtailed. f) The Tenderer shall be entirely responsible for all taxes duties, license fee, Octroi, road permits, entry tax etc, incurred until the delivery Jetting cum suction machine (Combination machines)mounted on suitable BS-VI chassis FOR Designated officers of BWSSB,
8.	**Evaluation of Tenders:** a. The evaluation of the tender will take into account, GST, III party inspection charges, transportation charges, transit, insurance and other costs which are incidental to the delivery of Water Tankers to the designated office of BWSSB. b. In case, if **L-1 rates** are offered by more than one firm then the tendered quantity will be divided among both the firms as decided by the CE(D&QA).
9.	**Delays in the supplier's performance:** i) The maximum time allowed for completion of supply of 13Nos. of 6,000 litres capacity Jetting cum suction machine (Combination machines)mounted on suitable BS-VI chassis is 12 months from the date of issue of work order. ii)However, the time schedule shall be indicated at the time of agreement. The Supply schedule should be promptly adhered to. iii)If, at any time, during performance of the contract, the supplier should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its causes. As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may, at its discretion, extend the suppliers time for performance with or without liquidated damages. iv) Except for the delay in an event of Force Majeure (an event beyond the control of the supplier and not involving the supplier's liable to be imposition of liquidated damages, pursuant to Clause-10 unless an extension of time in agreed upon pursuant to Clause 9(iii) without the application of liquidated damages.
10	**Liquidated Damages Clause:**

.	Failure on the part of the supplier to make supply as per supply Schedule indicated will be construed as a breach of contract, and the purchaser shall deduct from the contract price, as Liquidated Damages, a sum equivalent to 0.5% of the delivered price of the delayed goods for each week or part thereof of delay until actual delivery, upto a maximum deduction of 10% of contract price. Once a maximum is reached, the purchaser may consider termination of contract.
11.	**Termination for Default:** 1)The purchaser may without prejudice to any other remedy for breach of contract by a written notice of default sent to the supplier, terminate the contract in whole or part:- (a)If the supplier fails to deliver any or all of the goods within the period specified in the contract or within any extension thereof granted by the purchaser pursuant to Clasue-9. (b)If the supplier fails to perform any obligation under the contract. (c)i)If the supplier in the judgment of the purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the contract ii)In the event purchaser terminates the contract in whole or in part pursuant toClause-11(i) the purchaser may procure up on such terms and in such manner as it deems appropriate, 6,000 ltrs., capacity Jetting cum suction machines mounted on suitable BS-VI chassis, and the supplier shall be liable to the purchaser for any excess costs for such similar 6,000 ltrs., capacity Combination machines mounted on suitable BS-VI chassis. However, the tenderer shall continue the performance of the contract to the extent not terminated.
12.	**Termination for Convenience:** i)The purchaser by written notice sent to the supplier may terminate the contract in whole or in part, at any time, for its convenience. The notice of termination shall specify the termination is for the purchaser convenience, the extent to which performance of the supplier under the contract is terminated and the date upon which such termination becomes effective. ii) The 6,000 ltrs., capacity Combination machines mounted on suitable BS-VI chassis supplied by Board that are complete and ready for dispatch within thirty days after the supplier's receipt of notice of termination shall be accepted by the purchaser at the Contract Terms and Prices, for the remaining quantity of 6,000 ltrs., capacity Combination machines mounted on suitable BS-VI chassis supplied by Board the purchaser may elect:- to have any portion completed and delivered at the Contract Terms and Prices and / or to cancel the reminder and pay to the supplier an agreed amount for partially completed 6,000 ltrs., capacity Combination machines.
13.	**Warranty Clause:** a) The tenderer should give warranty for 6,000 litres capacity Combination machines covering all components for a period of one year from the date of commission against any manufacturing defects and enclose the Schedule of Guarantee-Table-2.3 duly signed by enclosing the list of components which are covered under the warranty period. b) In case, if the 6,000 Litres Capacity Combination along with its accessories are supplied in damaged condition or found not in conformity to the specification as per specifications detailed in tender documents, such equipment/items shall be rejected and the tenderer shall take back such sewer cleaning equipments/items at their risk and cost and the tenderer should replace such rejected equipments/items with new one as per specification and drawings within 30 days, without any extra financial implication to the Board. c) The tenderer should comply with the additions or alteration as suggested by the RTO to meet all the requirements as per Central Motor Vehicles Registration Act at the time of registration of the vehicle at their own cost. d) The Tenderer shall make all arrangements for the permanent registration of the

	vehicle which will be separately procured and supplied by the Board and obtaining of all documents relating to the vehicle in complete manner.
14.	**Insurance:** 6,000 litres capacity Combination machines supplied shall be fully insured in Indian rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery of the same at site, the insurance shall be obtained by the Supplier from FOR works to FOR designated officers of BWSSB on "All Risks" basis including war risks and strikes and this rate should be included in the offered price.
15.	**Inspection & Testing:** a) Prior to the dispatch of the 6,000 litres capacity Combination machines from their works, the tenderer should make necessary arrangements to enable the Board Officers to conduct inspection of the same at their works and the cost towards the same should be borne by the tenderer. b) 6,000 litres capacity Combination machines mounted on suitable BS-VI chassis will be inspected by a III Party inspection Agency appointed by the Board and the cost towards the same should be borne by the tenderer.
16.	**Mode Of Payment:** a) Payment90% of the total contract value shall be made within 60 days after receipt of 6,000 litres capacity combination machines at EE(DMVM) Division, Bangalore, in complete manner along with III Party inspection certificate, mandatory spares required for maintenance of the equipments for two years, one year comprehensive (KGID) insurance and permanent registration by RTO and remaining 10% will be made soon after the completion of warranty period. b) Any sum of money due and payable to the tenderer under this Contract may be appropriated by the Purchaser by setting off against any claims of the Purchaser for the payment of sum of money arising out or under any other contract made by the tenderer with the Purchaser. c) No alterations/modifications in the mode of payment is acceptable. d) No Mobilization Advance shall be paid. e) No Advance payment shall be made by the Board either to purchase any auxiliary units or the equipment. f) All payments will be made in Indian Rupees only.
17.	**Performance Security:** Within 21 days of the receipt of Letter of Acceptance from the Purchaser, the tenderer shall furnish a performance security in the form of irrevocable Bank Guarantee from a Nationalised /Scheduled Bank in a sum equivalent to 5% of the contract value of 13 Nos. of 6,000 litres capacity Jetting cum suction machines. If not, the EMD deposited by the tenderer shall be forfeited. The performance security shall be valid up to 60 days after the date of completion of performance obligation as per Clause-13 of GTC and the purchaser shall refund the same after the satisfactory completion of the supplies, in a complete manner. The Security Deposit shall not bear any interest.
18.	**Training:** The Supplier shall arrange at his own cost to train Drivers for operating and maintaining the Unit. The training period shall be one week.
19.	**Legal Clause:** a) Conditional Offers are rejected outright. b) The Chief Engineer (D&QA) reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever. Even if the tenderer meets all the eligibility and qualification criteria his tender shall be summarily rejected if he is found to have misled or made false representation in the form of any of the statements submitted in proofs of the eligibility and qualification requirement or if he has a record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, financial failures, etc.,

	c) In the event of any disputes arising out of this contract, the decision of the Chief Engineer (D&QA) is final and binding on both the parties. d) The contract shall in all respects be construed and operative as per Indian Contract Act, Sale of Goods Act-1930 and in conformity with Indian Law and is subject to the jurisdiction of Bangalore City Civil Courts only. e) The Tenderer should not have been ever black listed by any Organization in any State. Further, if any Organization had initiated any such action against the Tenderer and reconsidered the same subsequently, the grounds on which the Organizations took a lenient view may be furnished with documents. f) The procurement of 6,000 litres capacity combination machines is not covered under Arbitration Clause. g) History of Criminal and Litigation Record: If any criminal cases are pending against him/her/partners at the time of submitting the tender, the tender will be summarily rejected. In this regard, the tenderer shall submit an affidavit to the affect that the details furnished with respect to history of criminal and litigation cases pending against him/her/partners is true.
22.	The supplier shall handover the equipment along with all accessories in good condition to the Board, failing which proportion sum of money shall be deducted from the Performance Security.
23.	The tenderers should invariably fill in the Annexure- 'A' &'B' and Table 2.2 & 2.3 appended to the Technical Bid and enclose the requisite documents without fail, duly affixing their Seal and Signature if not the offer of the tenderer will not be considered for further evaluation.

Sd/-

Signature of the Tenderer **Chief Engineer (D&QA)**

BWSSB

SPECIFICATION

1.1 DESIGN

Offered equipment shall be made of components of proven design. The supplier shall design the equipment to the purchaser's satisfaction and in accordance with the requirement detailed below. The design shall be in accordance with the best modern practice and shall facilitate inspection, cleaning and lubrication and repair to ensure satisfactory operation under all service conditions. The equipment or any part thereof may be of the supplier's standard design provided that such design is generally in accordance with the specification. The suppliers design calculations, if called for, shall be submitted to the purchaser.

Approval by the purchaser of the supplier's design or drawings shall not relieve the supplier of any of his obligations or liabilities under this contract.

1.2 TENDER DRAWINGS

Drawings submitted by the supplier shall show all the essential items of the equipment offered together with sufficient details.

1.3 DRAWINGS GENERAL

All drawings provided by the supplier shall be of size A1 with in a border of 810mm x 560 mm in the form of black lines on a white background and shall show the following particulars in addition to the suppliers name, date, scale, number and title.

1.4 PREMILINARY DRAWNGS

The supplier shall submit to the purchaser 6 prints of drawings showing the layout and dimensions of the equipment, details of loads to be carried and all other necessary details.

1.5 DETAILED DRAWINGS

The supplier shall submit to the purchaser 6 prints of all working drawings and such general and detailed drawings as the purchaser may require from time to time. These shall include details of equipment, pipe work etc. These drawings (together with any of the said preliminary drawings, which may be necessary) having been corrected or amended as necessary to the purchaser's approval shall become the approved drawings to be used for manufacturing of the equipment. Any other drawings as required by the purchaser shall be submitted by the supplier. Unless specific instructions are given by the purchaser in writing, no drawings other than approved drawings shall be used for manufacture of the equipment.

1.6 RECORD DRAWINGS:

Record Drawings shall show the whole of the equipment as assembled. Further these shall show all major sub-assembles.

1.7 INSTRUCTUION MANUALS:

The supplier shall provide five bound sets of approved instruction manuals. All descriptive leaflets, instruction sheets, charts, lists, pamphlets and other documents that are used in compiling each manual shall be contained in one more binders designed to prevent loss of contents. Each binding shall be titled with the name of the purchaser, the name of the equipments, the contract name, the name of the supplier and with information to identify the matter and shall include a detailed index to all literature contained therein.

The instruction manuals shall be approved in draft from initially by the purchaser. The instruction manuals shall comprise both operating instructions and maintenance instructions.

A separate section of the manual shall be devoted to the Combination machines. It shall contain a detailed description of its construction and operation and shall include all relevant pamphlets and lists of parts with procedure for ordering spares. The detailed sections of the manual, if necessary, shall contain further maintenance instructions and fault location and diagnosis charts.
The manual shall be printed on A4 size sheets and bound in two lock binders. Reduced size of Record Drawings shall be included in the manuals.

a) Step by step directions on setting the equipment to work listing all adjustments and settings necessary for the correct functioning of the equipment.

b) Instructions of monitoring of equipment performance and sample log sheet for each item of equipment, to be completed by operators on a routine basis.

c) “Do’s and Don’t’s in the equipment operations, operators attention shall be drawn to all operations considered to be dangerous to operators or likely to cause damage to the equipment.

The maintenance instructions shall be the following:

1. Checking, testing and replacement procedures to be carried out of all mechanical and electrical items on a daily, weekly and monthly basis or at longer intervals to ensure trouble free operation.
2. Fault locations and remedy charts to facilitate the cause of malfunctions or breakdown and correcting fault.
3. Complete list recommended lubrication charts.

d) A “spares schedule” which shall consist of a complete list of itemized spares for all equipment with ordering references and part numbers.

e) Full instruction to cover the complete dismantling and reassembly of all items of the equipment supplied.

1.8 PROGRAMME DETAILS

Within four weeks of the acceptances of its (except for letter of acceptance) the supplier shall submit to the purchaser for his approval six copies of a detailed programme in the form of a bar chart showing all the activities of manufacture, supply and delivery of the equipment.

Details to be shown in the programme shall include such items as preparation and submission of drawing, placing of work orders (supplier’s own and sub supplier’s) tests at place of manufacture, deliveries to site. The programme shall be updated from time to time throughout the contract period as required by the purchaser, on the basis of revisions by the purchaser following discussion with the supplier.

1.9 PROGRESS REPORT

The supplier shall submit drawings in the first week of each month with progress report in such form that actual progress to the end of the proceeding month may be compared with the supplier’s programme.

1.10 GUARANTEE

The supplier's guarantee both in respect of performance, output and efficiency shall be binding under the contract. The fulfillment of these guarantees will be verified during the Tests on supplier's premises in India.

1.11 SPARE PARTS

The supplier shall offer spare parts (Mandatory Spares) required for normal operation of the equipment as per Table 2.1.1 and the total cost of these items shall be forwarded to schedule of price as per Table 2.1

1.12 TOOLS

A complete set of necessary standard and special tools shall be supplied by the supplier free of cost to enable assembly or dismantling to be carried out on any part of the equipment whether of an electrical, mechanical, or other nature, during the life of the equipment. The tools supplied shall include clamps, wrenches, lifting lugs, grease gun and any other special tools, which may be required during the life of the equipment.

1.13 PROTECTION AND PACKING

Before any equipment is dispatched from manufacturer's work it shall be properly prepared and packed and the supplier shall bring this to the notice of the purchaser atleast fourteen days in advance prior to the commencement of the packing.

Prior to dispatch, all equipment's shall be adequately protected by painting or by other approved means for the whole period of transit, storage against corrosion, incidental damage, including the effect of vermin, sunlight, rain, high temperatures and humid atmosphere. The suppliers shall be responsible for the equipment being so packed and / or protected so as to ensure that it reaches the site intact and undamaged. The equipment shall be packed to withstand rough handling in transit and all packages shall be suitable for storage including possible delay transit. The supplier shall be deemed to have included in the Price Schedule for all materials and packing cases necessary for the safe package, conveyance and delivery of the equipment.

The flanges of pipes, valves, and fittings shall be protected by wooden discs attached by means of service bolts (which shall not be used at site) or by other approved means, the sleeves, flange of flexible coupling shall be bundled by wire. Cases containing rubber rings, bolts and other small items shall not normally weight more than 50 Kg. Gross per case.

` All spare parts shall be packed for marine transport on long storage under the climatic conditions prevailing at the site. Each spare part shall be clearly marked or labelled on the outside of its packing with its description, number and purpose and when more than one spare is packed in a case or other container, a general description of its contents shall be shown on the outside of such case or container and a detailed list shall be enclosed. All cases, containers and other packages shall be marked and numbered in an approved manner for the purpose of identification.

All cases, containers or other packages are liable to be opened for such examination as the purchaser may require and packing shall be designed to facilitate opening and repacking thereafter.

All items shall be clearly marked for identification against the packing list, every crate or package shall contain a packing list on a waterproof envelope. A duplicate copy of the packing list shall be sent by post to the purchaser at site.

All crates, packages, etc. shall be clearly marked with a waterproof material to show the weight and where the slings should be attached and shall also have an indelible identification mark relating them to the packing lists.

1.14 FLANGES

All flanges used in the pipe work shall be of IS Standards. Non- standard flanges will not be acceptable.

1.15 MATERIAL-GENERAL

All materials in the works shall be the most suitable for the duty concerned and shall be new and of first class commercial quality, free from imperfection and selected for long life and minimum maintenance.

1.16 WORKMANSHIP - GENERAL

All similar items of the equipment and their component shall be completely interchangeable. Spare parts shall be manufactured from the same materials as the originals and shall fit all similar items. Machining fits on renewable parts shall be accurate so that replacement made to manufacturers drawings may be readily installed. All equipment shall operate without excessive vibration and with minimum noise. All revolving parts shall be truly balanced both statically and dynamically.

1.17 TESTS AT MANUFACTURER'S PREMISES.

Tests on equipment at manufacture's premises shall be carried out as per applicable standard codes and specifications. All inspection, examination and testing shall be carried out in presence of purchaser. All instruments used for such tests shall be calibrated and certified by an approved independent testing authority not more than three months prior to the test in which they are used. The purchaser reserves the right to reject any instrument for lack of independent testing. A certificate shall be produced by the supplier at the time of carrying out every test showing the reading obtained, all calculations and full details of the calibration certification referred to. If the purchaser witnesses a test he shall be given a copy of test results & certificates immediately. Whether he witnesses a test or not, copies of test certificates shall be sent to the purchaser. No item required to be tested shall be forwarded to the site until its test certificate has been approved in writing by the purchaser. Six copies of the works test/inspection shall be supplied.

1.18 INSPECTION

After assembly at the manufacturer's works and after ensuring that all equipments are in good working order, the supplier shall inform the purchaser who will carry out inspection at the firm's cost. The equipment will also be inspected by a third party authorised by the purchaser and the cost towards the same should be borne by the supplier.

If the workmanship is found defective in performance and not as per specified conditions, the supplier shall take immediate steps to remedy the deficiency to the satisfaction of the purchaser.

1.19. GENERAL

The supplier should furnish the catalogue of those components of the equipment as specified in Table 2.2 which are included in their tender.

The vehicle mounted combined unit for jetting/suction shall be able to create vacuum required for siphoning of mud, slurry, grit and other materials from sanitary, storm and combined sewerage system and high velocity jetting to remove and dislodge, obstruction, soluble grease, grit and other materials from sanitary storm and combined sewerage system. The unit shall be especially being required to clean out the non-man entry drain and deep wet wells of sewage pumping stations.

1.20. TECHNICAL SPECIFICATIONS FOR COMBINATION MACHINE.

1.20.1 The vehicle mounted combined unit having suction lift of at least 9 Mtrs and the unit shall consist of

1. Drive System
2. Tank
3. High pressure jetting pump
4. Vacuum pump (Exhauster/Compressor)

5. Suction Hose
6. Hose Reel Drum
7. Sewer Hose
8. Lateral cleaning system (including handgun arrangement)
9. Hydraulic Plant
10. Piping
11. Control panel
12. Accessories
13. BS6 Vehicle Chassis

VEHICLE CHASSIS

H.P. of the Engine	125 HP or Above
Wheel Base	Min 3600 MM
Gross Vehicle Weight	Min 11 Ton
Brake	Air Brake
Steering System	Power Steering
Cabin	Tiltable
POWER TAKE OFF(PTO)	M/s. Alpha Drives or Equivalent make
Torque of Main PTO	400KGM
Model of PTO	SPLIT SHAFT PTO
No of output	1
	The vehicle should have GPS Online realtime tracking system,

High Jetting cum Suction Machine Mounted on suitable vehicle chassis having total tank capacity 6000 litrs. With Level Indicator andPressure Gauge etc. (Tech. Specs. Attch.) Latest suitable vehicle chassis, BS-6 Vehicle Chassis, Cabin & PTO., TRC, With one Year Insurance Charges, Including GST Super quality with latest technology vehicle mounted High Pressure Jetting-cum-suction unit capable of creating vacuum for sucking out dense waste/sludge like mud, slurry etc. from septic tanks, sewer lines, storm water drains, gullies etc. as well as de-choking and flushing partially silted sewer and drain lines upto 900mm capacity. The high performance exhaust /compressor should be operated in both vacuum and pressure mode. The sludge to be collected into the tank by operating the system in the vacuum mode. The machine is to be two in one to clean the choked drainage system and to suck sludge/slurry from the machineholes very effectively. The equipment should be easy to operate and strictly no man handling of silt/ garbage/sludge in the process. The site to remain smell/odour free.

TECHANICALSPECIFICATION/ SYSTEM DESCRIPTION
Sludge tank capacity 4000 Litres
Water Tank Capacity 2000 Litres
The basic assemblies of the jetting – cum suction unit to comprise the following:-

- **DRIVE SYSTEM**

The jetting pump, exhaust compressor and the hydraulic pump to be driven by the truck's engine through a new generation Split-Shaft –PTO. The split-shaft unit to be fitted between the vehicle's gearbox and the differential and to transmit the full torque of the truck's engine. Drive for the pump to be taken off from the individual outputs through cardoon shafts.
Power Take off (PTO)
Torque of main PTO: 400KGM
Model of PTO : Split shaft PTO
No. of output : 1

EXHAUSTER COMPRESSOR

The pump should create a very high pressure vacuum, which should enable the tank to suck in all the silt gathered in machinehole. The exhauster/compressor fitted to the system to be of the dry rotary vane type, capable of creating a vacuum @ 450M3/ Hour and should empty chambers from the depths of approximately 5 to 6 meters. The exhauster /compressor to be provided with:

a. Injection air cooling system b. Incorporated Lubricating Oil Pump

The unit should be made from asbestos free, spark proof material. The exhauster/compressor to be operated on the positive displacement principle-without pulsation and without valves. The cylindrical bore of the compressor casing houses an eccentrically mounted cylindrical rotor with longitudinal slots. The vanes to divide the working chamber into cells of different sizes. The system should be protected with a stainless steel suction strainer and an oil breather/silencer.

Quantity : 1 Pump
System : Rotary vane compressor /vacuum pump
Type : PN53D
Delivery : 7500 Ipm
Capacity (Max) : @ 1350 rpm
Max. Vacuum : 93%
Max. Operating Vacuum : 200mbar (80% Vacuum)
Max. Pressure : 2 bar Pressure
Maximum Operating : 1.0 bar Pressure
Lubrication : Automatic Lubrication
Cooling : Injected Air-cooled

MOUNTING

The pump shall be mounted on the one side of the auxiliary frame.

SYSTEM ANCILLARIES AND MISCELLANEOUS FITTINGS

The complete system should be supplied with an overflow protection ball-float valve, moisture separator, suction fitter, oil breather-cum-silencer, pressure relief valve and vacuum breaker.

SUCTION MODE

The exhauster/compressor to be set in the exhauster mode for creating vacuum in the tank. The exhauster to create vacuum through the moisture trap, the suction filter and sludge tank and via the hose at the end application point resulting in the sludge /sewage being sucked through the hose. The sewer/sludge to be collected in the tank. The pressure safety and the vacuum relief valves, pressure gauges and shut off valves to enable in regulating the flow pattern to the present parameters during the operation.

SUCTION HOSE AND HOSE CONNECTIONS

Five lengths of 125mm hose and in sections of 3 meters each to be supplied with quick-connect hose-end fittings for suction/blowback applications. These hoses made from special water and grease resistant flexible rubber/PVC material coupled to the appropriate length desired for the application to be attached to the suction/drain valve with suitable diameter Aluminum end pipe of 1meter long.

HYDRAULIC SYSTEM

Hydraulic System circuits to essentially consist of an oil storage tank, gear pump, control valve, relief valve pilot check valve suction and return line filter and associated piping, hose and fittings to feed the following :-

1. Piston main for lifting the tank from base frame for tipping the sludge.
2. A set of piston is provided to open/close the rear door.
3. Hydraulic motor is provided to wind the jetting hose into reel.

Hydraulic Pump
Pressure developed by the system: 140-150 bar approx
Fluid used : Hydraulic Oil

HIGH PRESSURE JETTING PUMP AND JETTING SYSTEM

The High Pressure Jetting Pump should be MS/Alloy steel pump body. The pump to draw the water into the inlet port from the storage tank through a suction strainer and pump it into the system through the discharge port into the jetting hose through two pneumatically

operated 3-way valves and via a high pressure rotary swivel joint. A pressure-regulating valve to be provided on the discharge manifold of the pump head to facilitate the pressure setting of the pump. Jetting should be @170 Kg/cm2 with flow @225 LPM. The operator has to have the choice of either directing the high-pressure water through the main jetting hose, wash down hose or dump it back to the tank. The entire system to be protected against overpressure by a safety valve, which should be preset to lift at the designed working pressure of the pump. Shall be Positive displacement type, Triplex-plunger pump made of forged alloy steel crank shaft, nickel treated cast iron piston guide, ceramic plunger.
Quantity : 1 No
System : High Pressure Positive displacement type, Triplex-plunger pump Pump.
Type : Positive displacement type, Triplex-plunger pump
Stroke : 60 mm
Delivery Capacity : 225LPM
Pressure : 170 Kg/cm2
Drive Speed : 1400rpm

JETTING HOSE REEL

a) Fitted on the tank's rear door, the house reel to be of the pivoted type. The rotation of the hose reel about its axis to be effected manually and through a rotation of 180^0. Delivery and recovery of the jetting hose to be done via a hydraulic drive. The machine to be delivered complete with 120 meters of special water and grease resistant flexible rubber material sewer cleaning hose wound on to a alloy steel hose reel (to store upto a length of 130 meter jetting hose) supported on a swivel bracket mounted on the rear end door of the sludge compartment. The hose reel to rotate over the supports and to take its drive from the hydraulic motor. High pressure hose, 25 mm in diameter, and in a single length. A kit of cleaning nozzles, Set of Nozzles capable of removing heavy chokes to be supplied with the equipment as below:
b) 15° radial nozzle (5 rear jets 1 forwarded)
c) 35° radial nozzle (5 rear jets 1 forwarded)
d) 45° tangential nozzle (6 rear jets)
e) 35° penetrator nozzle (5 rear jets 1 forwarded)

JETTING HOSE

Make : Parker/Eton/Polyhose/ZEC Italy or equivalent
Length : 120 mtrs.
ID : 24.5 mm.
OD : 32.5 mm
Working Pressure : 3000 PSI
Minimum Burst Pressure : 6000 PSI

HOSES AND HOSE STORAGE

Suitable lockable arrangement for storage of suction hoses to be fitted on the left side of the tank. 9 meter of suction hose in three sections of 3 mtrs each and fitted with quick connect hose couplings to be supplied.

TANK

The tank is fabricated from the mild steel plates of 5mm thick confirming to IS 2062 grade with anti corrosive painting. The tank to comprise two compartments: the forward one being for the storage of the clean fresh water; the rear compartment to carry sludge/sewage. The tank should be designed to withstand both suction and over pressure operating conditions. The tank will be compartmentalized as follows:
2000 litre for fresh water and 4000 litre for the sludge/sewage.
Level indicators of thick wall transparent acrylic tubing to be provided on each of the compartments. A 2½" filling line and 2" drain valve to be provided at a suitable position on the fresh water compartment.
Total Capacity : 6000Lts.
Fresh water capacity: 2000Ltrs.
Sludge Compartment Capacity: 4000 Ltrs.

Construction : Cylindrical, shell with torrispherical dished ends, tank Built ASME code section VIII, Div- I
Material : MS 5 mm thick plates as per IS 2062 Grade 'A'
Max. Operating Test pressure : -0.95 to 1.5 bar tank pressure 2.5 bar.

REAR DOOR

Top hinges openable with two double acting hydraulic cylinders. The door to be allowed to remain secure in the raised position by an incorporated pilot check valve in the hydraulic System. Adequate sealing and locking arrangement to be provided to render the door leak proof. One number 80 mm ball valve of 3-piece constructed to be provided as a lower suction/s drain - off valve.

TANK LEVEL INDICATORS

To be provided on both fresh water & sludge compartment in position convenient for the operator to check.

Fresh Water Compartment:

The water storage tank to be provided with a 450mm opening to facilitate routine inspection and cleaning of the internals. A water filling and breather connection to be fitted on the highest point of the tank providing for water filling as well as keeping the compartment always vented to the atmosphere. The entire tank to be secured over strong and rigid hinge supports at the rear and guide pad supports at the forward end.

SLUDGE COMPARTMENT

The sludge tank fitted with a 80 mm drain cum suction valve of the rear door. Sludge to be sucked through this valve, which could also be used to discharge the contents of the tank into the dumping grounds using the pressure mode. The entire tank contents can be drained under gravity/pressure through the drain valve. Pressure relief and vacuum relief valves to be provided in the system to protect the tank from rupture. A level glass fitted on the rear door enables the operator to gauge the contents to see level inside the tank. A 100mm compound pressure gauge to be placed at the rear outer end of the control panel compartment for comfortable read out. The interior of the sludge tank to be provided against corrosion by two layers of anti-corrosive primer and two layers of corrosion resistant epoxy paint.

EMPTYING

Emptying is via hydraulic tipping of the complete tank using a hydraulic cylinder mounted in the front. The tipping angle would be approximately 30^0.

PAINTING / FINISHING OF THE COMPLETE UNIT

The entire equipment shall be painted as per prescribed paint scheme with anti corrosive red oxide primer one coat, one coat enamel paint with coat of finish surface. Both, exterior and interior of the tank will be sanded prior to spray painting. The tank exterior shall be spray-painted with two coats of superior quality anti-corrosive primer and two coats of enamel metal paint of a reputed make. **The colour shade will be as per choice of the customer.** To resist corrosion, the clean water compartment will be internally coated with two coats of anticorrosive anti-corrosive primer and two coats of gray/Black enamel paint. The Sludge compartment tank will be internally coated with two coats of epoxy paint to resist corrosion due to weak acids. **Complete unit with all required accessories shall be supplied in ready to use stage.**

1.20.13 CONTROL PANEL:

A control panel shall be provided and located continently. All gauges, switches, acceleration lever, jetting/bypass valve lever, control panel pump, Industrial Socket for flasher lamp. (including appropriate wiring) Low water alarm with indicator necessary for the operation of the unit shall be grouped in this control panel so that the operator can have complete of the operation.

1.20.17 TRAINING

The successful bidder shall arrange at his own cost to train 2 Nos. of Purchaser's operators for operating and maintaining each unit. The training period shall be 1 week.

1.20.18 MAINTENANCE DURING DEFECT LIABILITY PERIOD:

The successful Tenderer should establish a local workshop at Bangalore to take up repairs and replacements to the sewer cleaning equipments supplied during the warranty period of 1 year.

Sd/-

Signature of the Tenderer **Chief Engineer(D&QA)**

BWSSB

ANNEXURE-B

Proforma for Performance Statement for the year.....during which Jetting Cum suction machines mounted on suitable BS-VI chassis.

Ref:Tender No.BWSSB/CE(D&QA)/ACE(D)/TA/2218/2023-24 Dt:09.02.2024

Date of Opening:

Time-

Name of the Firm.....

Orders placed by(Full address of Purchaser-End User)	Order No. and Date	Quantity of Combination machines ordered	Qty. of Combination machines supplied	Performance Certificate issued by the Purchaser to the extent of supplies made (attach a certificate from the Purchaser)
1	2	3	4	5

Note :-

i. Specific year during which the stipulated supplies were made should only be indicated.

ii. Respective supplies indicated in the above proforma should invariably be substantiated with relevant documents such as Supply Orders and respective Performance certificates issued by the End User or Third Party inspection certificates of relevant orders, without which the tender will not be considered for further evaluation.

Sd/-

Signature of the Tenderer **Chief Engineer (D&QA) BWSSB**

TABLE - 2.3

SCHEDULE OF GUARANTEE

The Tenderer shall give guaranteed particulars as against the requirement as stated in their offer for 6,000-ltrs. capacity Combination Machines

Sl. No.	Particulars	As Offered (Guaranteed Particulars)
	Jetting Unit	
01.	Max. Discharge Capacity	
02.	Max. Pressure	
03.	Sewer Jetting Hose 1.Working pressure	
	Suction Unit	
01.	Displacement Capacity	
02	Vacuum Created	
03.	Air cooled system	
04.	continuous running capacity (load condition).	
05.	Vane blade material - Heat Resistant	

Sd/-

Signature of Tenderer **Chief Engineer**
(D&QA)

BWSSB

SCHEDULE-B

TABLE-2.1

PRICE SCHEDULE FOR SUPPLY OF 6000 LITRES CAPACITY COMBINATION MACHINES MOUNTED ON SUITABLE BS-VI CHASSIS

Schedule No.	Item Description	Unit	Qty	Rate/Unit (In Rs.)	Amount (In Rs.)
1	2	3	4	5	6
1.	Supply of 13 Nos of Jetting Cum Suction Machines of 6000 litres capacity (to carry 4000 ltrs of sludge and 2000 ltrs of water) mounted on suitable BS-VI chassis with PTO provision. (The cost shall be inclusive of machine, chassis & tools kit etc.,)(Rates are inclusive of GST) as per technical specification as desired in the tender with permanent registration of the vehicle as directed by EE(DMVM) Division	Nos.	13		
	Total				

Note: -

a) Rate quoted should be per 6,000 Liters capacity Combination Machine mounted on suitable BS-VI chassis inclusive of all taxes, duties, License fees, Octroi, Road permit, Entry Tax, III party inspection charges, transit Insurance, Transportation, R.T.O.Registration, comprehensive insurance for one year, FOR Designated officers of BWSSB, Bangaloreas directed by Executive Engineer (DMVM).

b) The total amount arrived in Column-6 of Table-2.1 is considered as the final tendered offer.

Sd/-

Signature of the Tenderer **Chief Engineer (D&QA)**

BWSSB

TABLE-2.1.1

SCHEDULE OF MANDATORY SPARE PARTS REQUIRED FOR MAINTENANCE OF 6 ,000LITRES CAPACITY COMBINATION MACHINES

The total cost (Column wise) of the entire lot consisting of recommended mandatory spares required for the maintenance of 30 Nos. of 6,000litres capacity Combination machines shall be carried forward to Schedule of Price (Table2.1 of Schedule-B.)

Schedule No.	Item Description	Unit	Qty	Rate/Unit (In Rs.)	Amount (In Rs.)
1	**2**	**3**	**4**	**7**	**8**
1.	Hydraulic Oil Breather	Nos.	2x13=26		
2.	Filter	Nos.	2x13=26		
3.	Waterline fitting set	Nos.	1x13=13		
4.	Pedestal bearing for hose reel	Nos.	2x13=26		
5.	Chain for hose reel drum	Nos.	1x13=13		
6.	High pressure seal	Nos.	2x13=26		
7.	Non-return valve	Set	1Set of 13 pieces		
8.	Rubber Seal for main door sealing	Nos.	1x13=13		
9.	Drain valve	Nos.	1x13=13		
	TOTAL				

Note: -

a) Price should be inclusive of all taxes, duties, License fees, Octroi, Road permit, Entry Tax, III party inspection charges, Packing, transit Insurance, Transportation, FOR Designated officers of BWSSB, Bangaloreas directed by Executive Engineer (DMVM).

Sd/-

Signature of the Tenderer **Chief Engineer (D&QA)**

BWSSB

MANUFACTURER'S AUTHORIZATION FORM

No…… Date:……

To,
Chief Engineer (D&QA)
BWSSB,
Bangalore- 09

Dear Sir,

Tender No. BWSSB/CE(D&QA)/ACE(D)/TA/ /2023-24 Dtd:

We,…… who are established and reputable manufacturers **of Jetting cum suction machines mounted on BSVI Chassis conforming to specifications appended vide Annexure-C** having factories at …… ……(address of factory) do hereby authorize M/s…… (Name and address of Agent) to submit a tender and sign the contract with you for the goods manufactured by us against the above Tender No. BWSSB/CE(D&QA)/ACE(D)/TA/ /2023-24 Dated:-

No company or firm or individual other than M/s …… …… are authorized to tender and conclude the contract for the above goods manufactured by us, against Tender

We hereby extend our full guarantee and warranty as per General Terms and Conditions of Contract for supply of **Jetting cum suction machines mounted on BSVI Chassis** conforming to specifications appended vide Annexure-C by M/s……against Tender

Your's faithfully,

(Name of the Manufacturer)

Note :

This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. This should be included by the Tenderer in their tender.

BANGALORE WATER SUPPLY AND SEWERAGE BOARD

No. BWSSB/CE(D&QA)/ACE(D)/TA/ 2218 /2023-24 Dtd: 09-02-2024 Office of the Chief Engineer (Design & QA)

Cauvery Bhavan, Bangalore-560009

TENDER THROUGH KARNATAKA PUBLIC PROCUREMENT PORTAL ONLY
(https://kppp.karnataka.gov.in)

The Chief Engineer (Design & QA), Bangalore Water Supply & Sewerage Board, Bangalore-560 009 invites tenders through KPP Portal from reputed Manufacturers for procurement of 13 Nos of Jetting cum Suction Machines of 6000 litres capacity (to carry 4000 ltrs of sludge and 2000 ltrs of water) mounted on suitable BS-VI chassis with PTO (Power Take Off) provision from Reputed Manufacturers/Dealers who meet the below mentioned eligibility criteria may submit their offer:

c) If the Tenderer should be a Manufacturer who must have manufactured, tested and supplied Jetting cum Suction Machines mounted on suitable BS-VI chassis upto at least **10 Nos** in any one of the last three financial years (2020-21, 2021-22 & 2022-23).

d) In the case of MSME Enterprises, the Tenderer should be a Manufacturer who must have manufactured, tested and supplied Jetting cum Suction Machines mounted on suitable BS-VI chassis upto at least **5 nos** in any one of the last three financial years (2020-21, 2021-22 & 2022-23).

e) If the tenders of tenderers are quoting as authorized representative/ agent of a Manufacturer meeting with the above requirements in full will also be considered provided.

i. The manufacturer furnishes authorization in the prescribed format assuring full guarantee and warranty obligations as per the conditions of contract.

ii. The tenderer as authorized representative should have supplied satisfactorily at least **4 Nos** of Jetting cum Suction Machines mounted on suitable BS-VI chassis upto at least 4 nos in any one of the last three financial years (2020-21, 2021-22 & 2022-23).

f) The Tenderer shall possess a minimum financial turn-over (Income) of **Rs.4.38Crores** in at least two financial years during the last three years, (i.e., from 2020-21 to 2022-23).

g) In the case of MSME Enterprises a minimum financial turn-over shall be **Rs.1.10 Crore** in at least two financial years during the last three years , (i.e., from 2020-21 to 2022-23).

h) The tenderer should demonstrate the availability of liquid assets and availability of credit facility of not less than **Rs.1.32 Crores** (Credit line/letter of credit/certificates from Nationalizes/ scheduled Bank).

i) The Tenderer shall possess an Assessed Available Tender Capacity:

A x N x 1.5 - B > **Rs.438.55lakhs.**

Where,

A- Maximum value of supply in any one year during the last five years taking into account the completed as well as works in progress

N-Number of years

B=No. of existing commitments to be supplied during the next one year

Sl. No	Particulars	Amount put to tender	EMD	Contract Period
1	Procurement of 13 Nos of Jetting cum Suction Machines of 6000 litres capacity (to carry 4000 ltrs of sludge and 2000 ltrs of water) mounted on suitable BS-VI chassis with PTO (Power Take Off) provision.	Rs.4,38,54,772/-	Rs. 6,58,000/-	12months

The last date for submission of queries through Karnataka public procurement portal is on **21.02.2024.** The last date & time for receipt of tenders in the Electronic Tender Box in website (www.kppp.karnataka.gov.in) is on **27.02.2024** before 16:00Hrs and the Technical Bids will be opened on **28.02.2024** *at* 16:00Hrs.

The Board reserves the right of accepting or rejecting any of the tenders without assigning any reasons thereof.

- Eligible interested Tenderers could obtain a complete set of bid documents by accessing the website (https://kppp.karnataka.gov.in). For further details contact Helpdesk.

- Tenderers may obtain further information from the office of the Purchaser, at the following address:

Office of the Chief Engineer (Design & QA),

Bangalore Water Supply and Sewerage Board; IX floor, Cauvery Bhavan, K G Road, Bangalore - 560 009, Karnataka, TeleFax: +91-80-22945253

Corrigendum / Modification / Corrections, if any will be published in the website only.

Chief Engineer (Design & QA)
BWSSB